



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHERN REGIONAL OFFICE

13901 Crown Court, Woodbridge, Virginia 22193

(703) 583-3800

www.deq.virginia.gov

Molly Joseph Ward
Secretary of Natural Resources

David K. Paylor
Director

Thomas A. Faha
Regional Director

June 1, 2017

Mr. Michael C. Callegari
Manager, Environmental Services, Atlantic-Gulf
Transcontinental Gas Pipe Line Company, LLC
2800 Post Oak Boulevard,
Suite 900
Houston, TX 77056-6147

Location: Prince William County
Registration No.: 71958

Dear Mr. Callegari:

Attached is a renewal Title V permit to operate your natural gas transmission facility pursuant to 9 VAC 5 Chapter 80 of the Virginia Regulations for the Control and Abatement of Air Pollution.

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all conditions carefully.

This approval to operate does not relieve Transcontinental Gas Pipe Line Company, LLC of the responsibility to comply with all other local, state, and federal permit regulations.

Issuance of this permit is a case decision. The Regulations, at 9 VAC 5-170-200, provide that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this permit is mailed or delivered to you. Please consult that and other relevant provisions for additional requirements for such requests.

Additionally, as provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal to court by filing a Notice of Appeal with:

Mr. David K. Paylor, Director
Department of Environmental Quality
P. O. Box 1105
Richmond, VA 23218

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for additional information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please contact James LaFratta at the Northern Regional Office DEQ at (703) 583-3928.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas A. Faha", with a long horizontal flourish extending to the right.

Thomas A. Faha
Regional Director

TAF/JBL /71958-TVltr (5-24-2017).docx

Attachment: Permit

cc: Ms. Cecilia Chapa, Transco (electronic file submission)
Dr. Mary Cate Opila, Office of Permits and Air Toxics, U.S. EPA, Region III (electronic file submission)
Susan Tripp, DEQ-OAPP (electronic file submission)
Manager/Inspector, Air Compliance Manager (electronic file submission)



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Federal Operating Permit Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1 of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300, of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

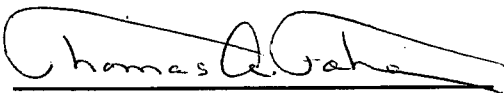
Permittee Name: Transcontinental Gas Pipe Line Company, LLC
Facility Name: Transco Compressor Station 185
Facility Location: 10201 Balls Ford Road
Manassas, Prince William County, Virginia 20109

Registration Number: 71958

Permit Number
NRO-71958

Effective Date
June 1, 2017

Expiration Date
May 31, 2022


Thomas A. Faha
Regional Director

May 30, 2017
Signature Date

Permit consists of 30 pages, w/o Attachment.
Permit Conditions 1 to 75.
Attachment: Source Testing Report Format, 1 page.

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Facility Information

Permittee

Transcontinental Gas Pipe Line Company, LLC
2800 Post Oak Boulevard, Suite 900
Houston, TX 77056-6147

Responsible Official

Michael C. Callegari
Manager, Environmental Services

Facility

Transco Compressor Station 185
10201 Balls Ford Road
Manassas, Prince William County, Virginia 20109

Contact Person

Cecilia Chapa
Engineer III
The Williams Companies, Inc.
(713) 215-2964

County-Plant Identification Number: 51-153-00086

Facility Description: NAICS 486210 – Natural Gas Transmission

Transco is an interstate natural gas transmission company. Transco's 1,900-mile pipeline system transports natural gas from areas in the Gulf Coast region to customers in the northeast. Transco's compressor stations are used to compress and move the gas along the system. Gas compression at this facility (Compressor Station 185) is made possible through the operation of ten (10) Ingersoll-Rand natural gas-fired (spark ignition) stationary reciprocating internal combustion engines (4-stroke, lean burn, 4SLB) and their associated compressors. In addition to the main compressor engines, the facility has auxiliary equipment, including three (3) natural gas fired emergency engine generator sets, a cold parts washer, a natural gas fired industrial boiler and natural gas fired space heaters.

Compressor Station 185 is a Title V major source of NO_x, VOC, and CO. The source is located in an ozone nonattainment area as well as the ozone transport region (OTR). Compressor Station 185 is a major source of hazardous air pollutants (HAPs) based on its potential to emit an individual HAP (formaldehyde) and aggregated HAP emissions.

Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description (Date of Installation)	Size/Rated Capacity ^a	Combustion Technology	Pollution Control Device	Pollutant Controlled	Applicable Permit Date
M/L 1	01	Ingersoll-Rand 412-KVS DT Series Reciprocating Internal Combustion Engine ^b (1957)	2000 bhp 18 MMBtu/hr (heat input)	High Pressure Fuel Injection (HPFi)	Catalytic Oxidation	Nitrogen Oxides (NOx) and Volatile Organic Compounds (VOC) controlled by HPFi, Carbon Monoxide (CO) & VOCs Controlled by Catalytic Oxidation	April 10, 2001 mNSR Permit
M/L 2	02	Ingersoll-Rand 412-KVS DT Series Reciprocating Internal Combustion Engine ^b (1957)	2000 bhp 18 MMBtu/hr (heat input)	HPFi	Catalytic Oxidation	NOx, CO & VOC	April 10, 2001 mNSR Permit
M/L 3	03	Ingersoll-Rand 412-KVS DT Series Reciprocating Internal Combustion Engine ^b (1957)	2000 bhp 18 MMBtu/hr (heat input)	HPFi	Catalytic Oxidation	NOx, CO & VOC	April 10, 2001 mNSR Permit
M/L 4	04	Ingersoll-Rand 412-KVS DT Series Reciprocating Internal Combustion Engine ^b (1957)	2000 bhp 18 MMBtu/hr (heat input)	HPFi	Catalytic Oxidation	NOx, CO & VOC	April 10, 2001 mNSR Permit
M/L 5	05	Ingersoll-Rand 412-KVS DT Series Reciprocating Internal Combustion Engine ^b (1957)	2000 bhp 18 MMBtu/hr (heat input)	HPFi	Catalytic Oxidation	NOx, CO & VOC	April 10, 2001 mNSR Permit
M/L 6	06	Ingersoll-Rand 412-KVS FT Series Reciprocating Internal Combustion Engine ^b (1962)	2000 bhp 18 MMBtu/hr (heat input)	HPFi	Catalytic Oxidation	NOx, CO & VOC	April 10, 2001 mNSR Permit

Emission Unit ID	Stack ID	Emission Unit Description (Date of Installation)	Size/Rated Capacity ^a	Combustion Technology	Pollution Control Device	Pollutant Controlled	Applicable Permit Date
M/L 7	07	Ingersoll-Rand 412-KVS FT Series Reciprocating Internal Combustion Engine ^b (1962)	2000 bhp 18 MMBtu/hr (heat input)	HPFi	Catalytic Oxidation	NOx, CO & VOC	April 10, 2001 mNSR Permit
M/L 8	08	Ingersoll-Rand 412-KVS FT Series Reciprocating Internal Combustion Engine ^b (1963)	2000 bhp 18 MMBtu/hr (heat input)	HPFi	Catalytic Oxidation	NOx, CO & VOC	April 10, 2001 mNSR Permit
M/L 9	09	Ingersoll-Rand 412-KVS FT Series Reciprocating Internal Combustion Engine ^b (1963)	2000 bhp 18 MMBtu/hr (heat input)	HPFi	Catalytic Oxidation	NOx, CO & VOC	April 10, 2001 mNSR Permit
M/L 10	10	Ingersoll-Rand 412-KVS FT Series Reciprocating Internal Combustion Engine ^b (1968)	2000 bhp 18 MMBtu/hr (heat input)	HPFi	Catalytic Oxidation	NOx, CO & VOC	April 10, 2001 mNSR Permit
IA1	12	Caterpillar G-3508 emergency electric generator ^c (4 stroke rich burn) (1997)	534 hp	-	-	-	April 10, 2001 mNSR Permit
IA2	13	Caterpillar G-3508 emergency electric generator ^c (4 stroke rich burn) (1997)	534 hp	-	-	-	April 10, 2001 mNSR Permit
IA3	15	General Electric Waukesha Gas Engine ^c , VGF, P48GL (4 stroke lean burn) (Model Year 2017)	1,065 bhp 800 kW	-	-	-	-

Emission Unit ID	Stack ID	Emission Unit Description (Date of Installation)	Size/Rated Capacity ^a	Combustion Technology	Pollution Control Device	Pollutant Controlled	Applicable Permit Date
IA5	14	Burnham 3L-125-G-GP Industrial Boiler (natural gas fired) (2001)	5.23 MMBtu/hr (heat input)	Low NOx Burners	n/a	n/a	-
IA20	-	Cold Parts Washer (Remote Reservoir)	(30 gallons – reservoir capacity; 15 gallons of solvent used at a time)	n/a	n/a	n/a	n/a

^aThe Size/Rated capacity is provided for informational purposes only, and is not an applicable requirement.

^bThe 10 Ingersoll Rand Mainline Compressor Engines (M/L 1 through M/L 10) are spark ignition 4-stroke lean-burn (4SLB) reciprocating internal combustion engines, each with a site rating of more than 500 brake HP.

^cIA1 and IA2 are each spark ignition 4 stroke rich burn (4SRB) reciprocating internal combustion engines (RICE), each with a site rating of more than 500 brake HP, IA3 is a spark ignition 4 stroke lean burn (4SLB) RICE with a site rating of more than 500 brake HP.

Fuel Burning Equipment Requirements – Mainline Compressor Engines (Ref. M/L 1 through M/L 10)

Limitations

1. **Emissions Control** – Nitrogen oxides and volatile organic compounds (VOCs) from each mainline compressor engine (Ref. M/L 1 through M/L 10) shall be controlled by the installation of a high-pressure fuel injection (HPFI™) system. Carbon monoxide and VOCs from each mainline compressor engine (Ref. M/L 1 through M/L 10) shall be controlled by the installation of a catalytic oxidation system. The control systems shall be constructed so as to allow for adequate access for inspection.
(9 VAC 5-170-160, 9 VAC 5-80-110, and Condition 4 of 4/10/01 mNSR Permit)
2. **Fuel** – The approved fuel for each mainline compressor engine (Ref. M/L 1 through M/L 10) is natural gas, as defined in 40 CFR §72.2. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-170-160, 9 VAC 5-80-110 and Condition 5 of 4/10/01 mNSR Permit)
3. **Emission Limits** – Emissions from the operation of the mainline compressor engines (Ref. M/L 1 through M/L 10) shall not exceed the limits specified below:

Pollutant	M/L 1 through M/L 10 (each unit)	Each Unit	Total 10 Units
Nitrogen Oxides (NO _x as NO ₂)	17.6 lb/hr	77.08 tons/yr	771 tons/yr
Carbon Monoxide (CO)	4.2 lb/hr	18.4 tons/yr	184 tons/yr
Volatile Organic Compounds (VOC)	1.7 lb/hr	7.45 tons/yr	74.5 tons/yr

(9 VAC 5-80-110 and Condition 11 of the 4/10/01 mNSR Permit)

4. **Emission Limits** – Sulfur dioxide (SO₂) emissions from the operation of the mainline compressor engines (Ref. M/L 1 through M/L 10) shall not exceed the limit below:

$$S = 1.06K$$

where:

S = allowable emission of sulfur dioxide expressed in lbs/hr.

K = actual heat input at total capacity expressed in Btu x 10⁶ per hour.

(9 VAC 5-80-110 and 9 VAC 5-40-280 B)

5. **Visible Emission Limit** – Visible Emissions from each mainline compressor engine (Ref. M/L 1 through M/L 10) shall not exceed twenty percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty percent

opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction. (9 VAC 5-50-80, 9 VAC 5-80-110 and Condition 12 of the 4/10/01 mNSR Permit)

Monitoring

6. **Hour Meter** – Each mainline compressor engine (Ref. M/L 1 through M/L 10) shall be equipped with a non-resettable hour meter (or equivalent device) to measure the operating hours of each unit.
(9 VAC 5-80-110)
7. **Fuel Sampling** – The permittee shall sample on an annual basis the natural gas supply to the mainline compressor engines (Ref. M/L 1 through M/L 10) for gross calorific value (GCV) and sulfur content to demonstrate that the fuel supply meets the definition of 'natural gas' per 40 CFR §72.2. Sampling is not required if a valid purchase contract, transportation contract or tariff sheet contains information that demonstrates the fuel meets the GCV requirement (between 950 and 1100 Btu per standard cubic foot (scf)) and has a total sulfur content of 20.0 grains/100 scf or less.
(9 VAC 5-80-110.E)
8. **Visible Emission Observations** – The permittee shall perform visible emission observations (VEOs) on each mainline compressor engine (Ref. M/L 1 through M/L 10) exhaust each calendar week that the engine is operating. The presence of visible emissions (other than water vapor) shall require the permittee to:
 - a. Take timely corrective action such that the mainline compressor engine(s), with visible emissions, resumes operation with no visible emissions, or,
 - b. Conduct a visible emission evaluation (VEE) on the mainline compressor engine(s), with visible emissions, in accordance with EPA Reference Method 9 (40 CFR Part 60, Appendix A) for a minimum of six (6) minutes, to assure visible emissions from the mainline compressor engine(s) exhaust are less twenty (20) percent or less. If any of the observations exceed the opacity limitation of 20 percent, the observation period shall continue until a total of sixty (60) minutes of observation have been completed. Timely corrective action shall be taken, if necessary, such that the mainline compressor engine(s) resumes operation with no visible emissions or within the opacity limits prescribed by Condition 5.
 - c. The permittee shall maintain a stack observation log for each mainline compressor engine exhaust stack to demonstrate compliance. The logs shall include the date and time of the observations, whether or not there were visible emissions, the results of all VEEs, any necessary corrective action, and the full name of the observer. If a mainline compressor engine has not been operated for any period during the calendar week, it shall be noted in the log book.

(9 VAC 5-80-110 E and 9 VAC 5-80-110 K)

Testing

9. **Stack Testing** – The permittee shall conduct performance testing (stack testing, utilizing appropriate EPA Reference Methods) on each mainline compressor engine (Ref. M/L 1 through M/L 10) at least once during this permit term, with subsequent tests on each engine every 8,760 hours or 5 years (from the most recent stack testing) whichever comes first, to determine compliance with the hourly emission limits (lb/hr) for NO_x (as NO₂), CO and VOCs, provided in Condition 3. The initial testing required for this permit term shall be conducted no later than July 1, 2019. Testing conducted satisfying the procedures specified below conducted after January 1, 2017, and before the effective date of this permit, may be used to satisfy the initial testing specified herein (engine specific).

The permittee shall conduct the stack tests following the procedures specified below:

- a. Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load in accordance with the appropriate EPA Test Methods and 9 VAC 5-50-30.
- b. The performance tests shall not be conducted during periods of startup, shutdown or malfunctions. If a mainline compressor engine is non-operational, the engine does not need to be started up solely to conduct a performance test; however, the performance test shall be conducted immediately upon startup of the engine.
- c. Each performance test shall consist of three separate test runs, with each test run lasting at least 1 hour.
- d. For purposes of determining VOC emissions, formaldehyde emissions shall be determined (in accordance with EPA Reference Methods) and included as part of VOC emissions.
- e. The details of the tests shall be arranged with the Northern Regional Office. The permittee shall submit a test protocol at least 30 days prior to testing.
- f. Two copies of the test results shall be submitted to the Northern Regional Office within 60 days after test completion and shall conform to the test report format enclosed with this permit.

(9 VAC 5-80-110 E and 9 VAC 5-80-110 K)

Recordkeeping

10. **Recordkeeping** – The permittee shall maintain records of all emission data and operating parameters for the mainline compressor engines (Ref. M/L 1 through M/L 10) necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Northern Regional Office. These records shall include, but are not limited to:

- a. Monthly and annual hours of operation of each mainline compressor engine. The annual hours of operation shall be calculated monthly as the sum of each consecutive 12-month period.
- b. Monthly and annual consumption of natural gas for each mainline compressor engine. The annual natural gas consumption shall be calculated monthly as the sum of each consecutive 12-month period.
- c. Analytical results of natural gas GCV and sulfur content sampling OR valid purchase contract, transportation contract or tariff sheet that demonstrates the fuel meets the specifications for natural gas per 40 CFR §72.2 (i.e., GCV requirement (between 950 and 1100 Btu per standard cubic foot (scf)) and has a total sulfur content of 20.0 grains/100 scf or less) (per Condition 7).
- d. Hours of operation of each mainline compressor engine between stack testing events (see Condition 9).
- e. Monthly and annual calculated emissions of NO_x (as NO₂), CO and VOCs of each mainline compressor engine and for all 10 units combined. The annual emissions shall be calculated monthly as the sum of each consecutive 12-month period.
- f. Maintenance plan, records conducted of all maintenance and operator training.
- g. The equations, emission factors, origin of emission factors, and all supporting documentation for determining annual criteria pollutant emissions.
- h. Results of all stack tests, visual emission observations (VEOs), visible emission evaluations, stack observation log (see Condition 8).

Compliance for the consecutive 12-month period referenced in the above recordkeeping items (as applicable) shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding eleven months.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-80-110E and Condition 16 of the 4/10/01 mNSR Permit)

Fuel Burning Equipment Requirements – Emergency Electric Generators (Ref. IA1, IA2 & IA3)

Limitations

11. **Fuel** – The approved fuel for each emergency electric generator engine (Ref. IA1, IA2 and IA3) is natural gas. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110, Condition 5 of 4/10/01 mNSR Permit and 40 CFR §60.4248)
12. **Hours of operation** – Each emergency electric generator (Ref. IA1, IA2 and IA3) shall not operate more than 500 hours per year, calculated monthly as the sum of each consecutive 12-month period.
(9 VAC 5-80-110, 9 VAC 5-80-1105.B.2 and Condition 7 of 4/10/01 mNSR Permit)
13. **Emergency Use** – The operation of emergency electric generator (Ref. IA3) is limited to emergency situations as specified in 40 CFR §60.4243(d)(1); maintenance checks and readiness testing for a limited number of hours per year as specified in 40 CFR §60.4243(d)(2)(i); and certain non-emergency situations for a limited number of hours per year as specified in 40 CFR §60.4243(d)(3). If the unit is not operated in accordance with 40 CFR §60.4243(d)(1), §60.4243(d)(2)(i) or §60.4243(d)(3), the emergency electric generator (Ref. IA3) will not be considered an emergency engine under 40 CFR Part 60, Subpart JJJJ and must meet the emissions standards and other applicable requirements for a non-emergency engine. Operation of a non-emergency engine generator may require a permit to modify and operate pursuant to 9 VAC 5 Chapter 80, Part II, Article 6.
(9 VAC 5-80-110, 9 VAC 5-80-1100, and 40 CFR §60.4243(d))
14. **Emergency Use** – The operation of emergency electric generators (Ref. IA1, IA2 and IA3) is limited to emergency situations as specified in 40 CFR §63.6640(f)(1); maintenance checks and readiness testing for a limited number of hours per year as specified in 40 CFR §63.6640(f)(2)(i); and certain non-emergency situations for a limited number of hours per year as specified in 40 CFR §63.6640(f)(3). If the units are not operated in accordance with 40 CFR §63.6640(f)(1), §63.6640(f)(2)(i) or §63.6640(f)(3), the units will not be considered emergency engines under 40 CFR Part 63, Subpart ZZZZ and must meet the emissions standards and other applicable requirements for a non-emergency engine.
(9 VAC 5-80-110 and 40 CFR §63.6640(f))

15. **Emission Limits** – Emissions from the emergency electric generator (Ref. IA3) shall not exceed the following limits:

Emission Standards ^a					
g/HP-hr			ppmvd at 15% O ₂		
NOx	CO	VOC ^b	NOx	CO	VOC ^b
2.0	4.0	1.0	160	540	86

^aOwners and operators of stationary non-certified SI engines may choose to comply with the emission standards in units of either g/HP-hr or ppmvd at 15 percent O₂.

^bFor purposes of this permit condition, when calculating emissions of volatile organic compounds (VOC), emissions of formaldehyde should not be included.

(9 VAC 5-80-110 and 40 CFR §60.4233(e))

16. **Compliance Requirements** – The permittee shall do the following for the emergency electric generator (Ref. IA3):

- Keep a maintenance plan and records of conducted maintenance; and
- To the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions.
- Conduct an initial performance test and conduct subsequent performance testing every 8760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance, according to the requirements specified in 40 CFR §60.4244 (test methods and procedures) to demonstrate compliance with the emission limits in Condition 13;

(9 VAC 5-80-110 and 40 CFR §60.4243(b))

17. **Visible Emission Limit** – Visible Emissions from each emergency electric generator (Ref. IA1, IA2 and IA3) exhaust shall not exceed twenty percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.
 (9 VAC 5-50-80 and 9 VAC 5-80-110)

18. **Operation and Maintenance** – The permittee shall operate and maintain the emergency electric generator (Ref. IA3) and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer.
 (9 VAC 5-80-110)

Monitoring, Recordkeeping and Reporting Requirements

19. **Hour Meter** – Each emergency electric generator (Ref. IA1, IA2 and IA3) shall be equipped with a non-resettable hour meter (or equivalent device for Ref. IA1 and IA2) to measure the operating hours of each unit.
(9 VAC 5-80-110 and 40 CFR §60.4237(a))
20. **Recordkeeping** – The permittee shall maintain records of all emission data and operating parameters for the emergency electric generators (Ref. IA1, IA2 and IA3) necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the Northern Regional Office. These records shall include, but are not limited to:
- a. Monthly and annual hours of operation of each emergency electric generator. The annual hours of operation shall be calculated monthly as the sum of each consecutive 12-month period.
 - b. Date, reason and duration for operation of each emergency generator.
 - c. All notifications submitted to comply with NSPS Subpart JJJJ (Ref. IA3) and all documentation supporting any notification.
 - d. Documentation that the emergency electric generator (Ref. IA3) meets the emission standards of Condition 13.
 - e. Scheduled and unscheduled maintenance, and operator training.
- (9 VAC 5-80-110, 9 VAC 5-50-50, 40 CFR §60.4243(b), 40 CFR §60.4245(a) and Condition 16 of the 4/10/01 mNSR Permit)
21. **Test Reports** – The permittee shall submit a copy to DEQ and EPA Region 3 of each performance test on emergency electric generator (Ref. IA3) conducted as required by Condition 14.c within 60 days after the test has been completed. Performance test reports using EPA Method 18, EPA Method 320, or ASTM D6348-03 (incorporated by reference – see 40 CFR §60.17) to measure VOC require reporting of all QA/QC data. For Method 18, report results from sections 8.4 and 11.1.1.4; for Method 320, report results from sections 8.6.2, 9.0 and 13.0; and for ASTM D6348-03 report results of all QA/QC procedures in Annexes 1-7.
(9 VAC 5-80-110 and 40 CFR §60.4245(d))

Fuel Burning Equipment Requirements – Natural Gas Fired Boiler (IA5)

MACT Subpart DDDDD (40 CFR §63.7480 et seq.)

22. **Fuel** – The approved fuel for the Burnham boiler (Ref. IA5) is natural gas. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110)
23. **Work Practice Standard** – The permittee shall conduct a tune-up of the Burnham boiler (Ref. IA5) biennially (every 2 years) as specified in 40 CFR §63.7540.
(9 VAC 5-80-110, 40 CFR §63.7500(e) and 40 CFR Part 63, Subpart DDDDD, Table 3)
24. **Records** – The permittee shall keep records of each notification and report submitted to comply with MACT Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report submitted according to the requirements in 40 CFR §63.10(b)(2)(xiv).
(9 VAC 5-80-110 and 40 CFR §63.7555(a)(1))
25. **Records** – The permittee shall keep records of each tune-up conducted on the Burnham boiler (Ref. IA5) as required in 40 CFR §63.10(b)(2)(viii). The records must be in a form suitable and readily available for expeditious review, and maintained according to 40 CFR §63.10(b)(1).
(9 VAC 5-80-110 and 40 CFR §63.7555(a)(2))
26. **Reporting** – The permittee shall submit compliance reports biennially (every 2 years), with the first such report covering the period from January 31, 2016 through December 31, 2018. These compliance reports shall be postmarked or submitted no later than January 31st, following the respective biennial compliance period.
(9 VAC 5-80-110, 40 CFR §63.7550(b) and 40 CFR Part 63, Subpart DDDDD, Table 9)
27. **Reporting** – The biennial compliance reports shall contain the following information:
- a. Company and Facility name and address.
 - b. Process unit information, emissions limitations, and operating parameter limitations.
 - c. Date of report and beginning and ending dates of the reporting period.
 - d. Include the date of the most recent biennial tune-up for the Burnham boiler (Ref. IA5). Include the date of the most recent burner inspection if it was not done biennially and was delayed until the next scheduled or unscheduled unit shutdown.
- (9 VAC 5-80-110, 40 CFR §63.7550(c) and 40 CFR Part 63, Subpart DDDDD, Table 9)
28. **Reporting** – The permittee shall submit the biennial reports to DEQ's Northern Regional Office and to the U.S. EPA Region 3. The copies to the U.S. EPA Region 3 shall be submitted in accordance with 40 CFR §63.7550(h)(3).
(9 VAC 5-80-110 and 40 CFR §63.7550(h))

Cold Parts Washer (Ref. IA20)

Limitations and Recordkeeping

The requirements in Conditions 29 through 33 apply to the use of cold cleaning machines that process metal parts and contain more than 1 liter of volatile organic compounds.

29. Cover – The cold parts washer (Ref. IA20) shall drain directly into the unit's solvent storage reservoir and be equipped with a perforated drain with a diameter of not more than six inches.

(9 VAC 5-80-110 and 9 VAC 5-40-6840 A.)

30. Label – The cold parts washer (Ref. IA20) shall have a permanent, conspicuous label summarizing the operating requirements in Condition 31.

(9 VAC 5-80-110 and 9 VAC 5-40-6840 A)

31. Operating Procedures – Cold cleaning machines shall be operated in accordance with the following procedures:

- a. Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- b. Cleaned parts shall be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts shall be positioned so that solvent drains directly back to the cold cleaning machine.
- c. Flushing of parts using a flexible hose or other flushing device shall be performed only within the freeboard area of the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- d. Sponges, fabric, wood, leather, paper products and other absorbent materials shall not be cleaned in cold cleaning machines.
- e. When a pump-agitated solvent bath is used, the agitator shall be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned. Air agitated solvent baths may not be used.
- f. Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately, and the wipe rags or other sorbent material shall be immediately

stored in covered containers for disposal or recycling.

- g. Work area fans shall be located and positioned so that they do not blow across the opening of the degreaser unit.
- h. The permittee shall ensure that the solvent level does not exceed the fill line.

(9 VAC 5-80-110 and 9 VAC 5-40-6840 A)

32. **Solvent Use Limitations** – The permittee shall not use or offer for sale for use in the cold parts washer (Ref. IA20) any solvent with a vapor pressure of 1.0 millimeters of mercury (mm Hg) or greater, measured at 20 °C (68 °F) containing volatile organic compounds nor any solvent with any of the following halogenated HAP compounds - methylene chloride (CAS No. 75-09-2), perchloroethylene (CAS No. 127-18-4), trichloroethylene (CAS No. 79-01-6), 1,1,1-trichloroethane (CAS No. 71-55-6), carbon tetrachloride (CAS No. 56-23-5), and chloroform (CAS No. 67-66-3).

(9 VAC 5-80-110 and 9 VAC 5-40-6840 A.)

33. **Recordkeeping** – The permittee shall maintain for not less than two years and shall provide to DEQ personnel, upon request, the information specified below. An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet, or other appropriate documentation acceptable to the Regional Air Compliance Manager, Northern Regional Office, may be used to comply with this section.

- a. The name and address of the solvent supplier.
- b. The type of solvent including the product or vendor identification number.
- c. The vapor pressure of the solvent measured in mm Hg at 20 °C (68 °F).

(9 VAC 5-80-110 and 9 VAC 5-40-6840 A)

Facility Wide Conditions

34. **Testing** – The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, the permittee shall conduct performance tests (stack testing and/or visible emission evaluations) to demonstrate compliance with the emission limits contained in this permit. Test ports shall be provided at the appropriate locations.

(9 VAC 5-50-30, 9 VAC 5-80-110, and Conditions 6, 14 and 15 of the 4/10/01 NSR Permit)

35. **Testing** – If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.
(9 VAC 5-80-110)
36. **NSPS & MACT Requirements by Reference** – Unless as otherwise specified in this permit, the permittee shall comply with the applicable provisions of NSPS Subpart JJJJ (Ref. IA3), MACT Subpart ZZZZ (Ref. IA1, IA2, IA3) and MACT Subpart DDDDD (Ref. IA5), including the General Provisions of 40 CFR Part 60, Subpart A and 40 CFR Part 63, Subpart A.
(9 VAC 5-80-110, 40 CFR §60.4246, 40 CFR §63.6665 and 40 CFR §63.7565)

Insignificant Emission Units

37. **Insignificant Emission Units** - The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity (9 VAC 5-80-720 C)
IA6	Jacket Water Storage Tank	9 VAC 5-80-720 B	VOC	N/A
IA7	Lube Oil Cooling Water Surge Tank	9 VAC 5-80-720 B	VOC	N/A
IA8	Oil Sump	9 VAC 5-80-720 C.	N/A	390 Gallons
IA9	Condensate Storage Tank # 1	9 VAC 5-80-720 B	VOC, HAP	N/A
IA10	Ethylene Glycol/Water Storage Tank	9 VAC 5-80-720 B	VOC	N/A
IA11	Ethylene Glycol Storage Tank	9 VAC 5-80-720 B	VOC	N/A
IA12	Used Oil Storage Tank	9 VAC 5-80-720B	VOC	N/A
IA13	Boiler Condensate Storage Tank	9 VAC 5-80-720 B	VOC	N/A
IA16	Condensate Storage Tank # 2	9 VAC 5-80-720 B	VOC, HAP	N/A
IA17	Waste Water Storage Tank	9 VAC 5-80-720B	VOC, HAP	N/A
IA18	Storm Water Sump # 1	9 VAC 5-80-720 B	VOC	N/A
IA19	Storm Water Sump # 2	9 VAC 5-80-720 B	VOC	N/A
IA21	Lube Oil Storage Tank	9 VAC 5-80-720 B	VOC	N/A
IA22	Diesel Storage Tank	9 VAC 5-80-720 B	VOC	N/A

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

Permit Shield & Inapplicable Requirements

38. **Permit Shield & Inapplicable Requirements** - Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
40 CFR Part 60 Subpart OOOO	Standards of Performance for Crude Oil and Natural Gas Production, Transmission and Distribution for which Construction, Modification or Reconstruction Commenced after August 23, 2011, and on or before September 18, 2015	Compressor Station 185 does not have any storage vessel, which has the potential for VOC emissions equal to or greater than 6tpy. 40 CFR 60.5365(e)
40 CFR Part 63 Subpart HH	National Emissions Standards for Hazardous Air Pollutants (NESHAP) From Oil and Natural Gas Production Facilities	Compressor Station 185 is not located at a natural gas production site, does not include glycol dehydration or include other affected units per 40 CFR 63.760(d).
40 CFR Part 63 Subpart HHH	National Emissions Standards for Hazardous Air Pollutants (NESHAP) From Natural Gas Transmission and Storage Facilities	Compressor Station 185 does not include dehydration facilities and is not subject to this subpart's requirements per 40 CFR 63.1270(c).
40 CFR Part 68	Chemical Accident Prevention Provisions	Compressor Station 185 is regulated under 49 CFR 192, not a stationary source per 40 CFR 68.3.
40 CFR 64	Compliance Assurance Monitoring	Applies to facilities equipped with pollution control devices with potential pre-control device emissions greater than 100 tpy. None of the ten mainline compressors have an uncontrolled Carbon Monoxide PTE greater than 100 tpy; therefore, 40 CFR 64 is not applicable to Station 185.

Citation	Title of Citation	Description of Applicability
CAA, Section 112(r)	Risk Management Plans	Station 185 does not qualify as a "Stationary Source" under the definitions section in 40 CFR 68.3. This section specifically excludes transportation related activities that are regulated under 49 CFR 192, 193, or 195.
40 CFR Part 60, Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	<p>Applies to new/reconstructed/modified spark ignition (SI) internal combustion engines (ICE), regardless of hp rating. None of the ten (10) mainline compressor engines or the two emergency generator engines (IA-1 and IA-2) are affected facilities under this NSPS based on the 'commence construction' date.</p> <p>The emergency electric generator (IA3) though is subject to 40 CFR Part 60, Subpart JJJJ and this permit contains the applicable requirements for this unit.</p>

Citation	Title of Citation	Description of Applicability
40 CFR 63, Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE)	<p>The mainline engines (Ref. No. M/L 1-M/L 10) are each spark ignition 4 stroke lean burn stationary RICE located at a major source of HAP emissions and per Section 63.6590 (b) (3) (ii) the units do not have to meet the requirements of this subpart (MACT ZZZZ) and of subpart A (General Provisions), including notification requirements.</p> <p>Similarly, per Section 63.6590 (b)(3)(iii), the emergency electrical generators (Ref. No. IA1 and IA2) for which each unit is a stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that contains federally enforceable conditions to operate in accordance with Section 63.6640 (f)(2) do not have to meet the requirements of this subpart (MACT ZZZZ) and of subpart A (General Provisions), including notification requirements.</p>

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by (i) the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
 (9 VAC 5-80-110 and 9 VAC 5-80-140)

General Conditions

39. **General Conditions - Federal Enforceability** - All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable.
(9 VAC 5-80-110)
40. **General Conditions - Permit Expiration** - This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.
(9 VAC 5-80-80, 9 VAC 5-80-110 and 9 VAC 5-80-170)
41. **General Conditions - Permit Expiration** - The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.
(9 VAC 5-80-80, 9 VAC 5-80-110 and 9 VAC 5-80-170)
42. **General Conditions - Permit Expiration** - If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.
(9 VAC 5-80-80, 9 VAC 5-80-110 and 9 VAC 5-80-170)
43. **General Conditions - Permit Expiration** - No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.
(9 VAC 5-80-80, 9 VAC 5-80-110 and 9 VAC 5-80-170)
44. **General Conditions - Permit Expiration** - If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.
(9 VAC 5-80-80, 9 VAC 5-80-110 and 9 VAC 5-80-170)
45. **General Conditions - Permit Expiration** - The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.
(9 VAC 5-80-80, 9 VAC 5-80-110 and 9 VAC 5-80-170)

46. General Conditions - Recordkeeping and Reporting - All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

- a. The date, place as defined in the permit, and time of sampling or measurements;
- b. The date(s) analyses were performed;
- c. The company or entity that performed the analyses;
- d. The analytical techniques or methods used;
- e. The results of such analyses; and
- f. The operating conditions existing at the time of sampling or measurement.

(9 VAC 5-80-110)

47. General Conditions - Recordkeeping and Reporting - Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
(9 VAC 5-80-110)

48. General Conditions - Recordkeeping and Reporting – Unless otherwise required by this permit, the permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than March 1 and September 1 of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

- a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31; and
- b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:
 - i. Exceedance of emissions limitations or operational restrictions;
 - ii. Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,
 - iii. Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

- c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that "no deviations from permit requirements occurred during this semi-annual reporting period."

(9 VAC 5-80-110 F)

49. General Conditions - Annual Compliance Certification - Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices for the period ending December 31. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a) (3) and §504(b) of the federal Clean Air Act. The permittee shall maintain a copy of the certification for five (5) years after submittal of the certification. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

- a. The time period included in the certification. The time period to be addressed is January 1 to December 31;
- b. The identification of each term or condition of the permit that is the basis of the certification;
- c. The compliance status;
- d. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance;
- e. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period;
- f. Such other facts as the permit may require to determine the compliance status of the source; and
- g. One copy of the annual compliance certification shall be submitted to EPA in electronic format only. The certification document should be sent to the following electronic mailing address:

R3 APD Permits@epa.gov

(9 VAC 5-80-110 K.5)

50. **General Conditions - Permit Deviation Reporting** - The permittee shall notify the Regional Air Compliance Manager of the DEQ's NRO within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to Condition 31 of this permit.
(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)
51. **General Conditions - Failure/Malfunction Reporting** - In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall but no later than four daytime business hours after the malfunction is discovered, notify the Regional Air Compliance Manager of the DEQ's NRO such failure or malfunction and within 14 days provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Regional Air Compliance Manager of the DEQ's NRO.
(9 VAC 5-80-110 and 9 VAC 5-20-180)
52. **General Conditions - Severability** - The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110)
53. **General Conditions - Duty to Comply** - The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110)
54. **General Conditions - Need to Halt or Reduce Activity not a Defense** - It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110)

55. **General Conditions - Permit Modification** - A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-110, 9 VAC 5-80-190 and 9 VAC 5-80-260)
56. **General Conditions - Property Rights** - The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110)
57. **General Conditions - Duty to Submit Information** - The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
(9 VAC 5-80-110)
58. **General Conditions - Duty to Submit Information** - Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
(9 VAC 5-80-110)
59. **General Conditions - Duty to Pay Permit Fees** - The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350 in addition to an annual permit maintenance fee consistent with the requirements of 9 VAC 5-80-2310 through 9 VAC 5-80-2350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department. The amount of annual permit maintenance fee shall be the largest applicable base permit maintenance fee amount from Table 9-11A in 9 VAC 5-80-2340, adjusted annually by the change in the Consumer Price Index.
(9 VAC 5-80-110, 9 VAC 5-80-340 and 9 VAC 5-80-2340)
60. **General Conditions - Fugitive Dust Emission Standards** - During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:
- a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

- b. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;
- c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;
- d. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,
- e. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90, 9 VAC 5-50-90 and 9 VAC 5-80-110)

61. **General Conditions - Startup, Shutdown, and Malfunction** - At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20, 9 VAC 5-40-20 40 CFR §7500(a)(3) and 9 VAC 5-80-110)

62. **General Conditions - Alternative Operating Scenarios** - Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110)

63. **General Conditions - Inspection and Entry Requirements** - The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:
- a. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.
 - b. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

- c. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.
- d. Sample or monitor at reasonable times' substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110)

64. General Conditions - Reopening for Cause - The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F. The conditions for reopening a permit are as follows:

- a. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- b. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.
- c. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

65. General Conditions - Permit Availability - Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-110 and 9 VAC 5-80-150)

66. General Conditions - Transfer of Permits - No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-110 and 9 VAC 5-80-160)

67. General Conditions - Transfer of Permits - In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-110 and 9 VAC 5-80-160)

- 68. General Conditions - Transfer of Permits** - In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-110 and 9 VAC 5-80-160)
- 69. General Conditions - Permit Revocation or Termination for Cause** - A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-110, 9 VAC 5-80-190 C and 9 VAC 5-80-260)
- 70. General Conditions - Duty to Supplement or Correct Application** - Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-110 and 9 VAC 5-80-80 E)
- 71. General Conditions - Stratospheric Ozone Protection** - If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(9 VAC 5-80-110 and 40 CFR Part 82)
- 72. General Conditions – Asbestos Requirements** – The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150)
(9 VAC 5-60-70 and 9 VAC 5-80-110)
- 73. General Conditions - Accidental Release Prevention** - If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(9 VAC 5-80-110 and 40 CFR Part 68)
- 74. General Conditions - Changes to Permits for Emissions Trading** - No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110)

75. General Conditions - Emissions Trading - Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

- a. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.
- b. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.
- c. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110)

SOURCE TESTING REPORT FORMAT

Report Cover

1. Plant name and location
2. Units tested at source (indicate Ref. No. used by source in permit or registration)
3. Test Dates.
4. Tester; name, address and report date

Certification

1. Signed by team leader/certified observer (include certification date)
2. Signed by responsible company official
3. *Signed by reviewer

Copy of approved test protocol

Summary

1. Reason for testing
2. Test dates
3. Identification of unit tested & the maximum rated capacity
4. *For each emission unit, a table showing:
 - a. Operating rate
 - b. Test Methods
 - c. Pollutants tested
 - d. Test results for each run and the run average
 - e. Pollutant standard or limit
5. Summarized process and control equipment data for each run and the average, as required by the test protocol
6. A statement that test was conducted in accordance with the test protocol or identification & discussion of deviations, including the likely impact on results
7. Any other important information

Source Operation

1. Description of process and control devices
2. Process and control equipment flow diagram
3. Sampling port location and dimensioned cross section Attached protocol includes: sketch of stack (elevation view) showing sampling port locations, upstream and downstream flow disturbances and their distances from ports; and a sketch of stack (plan view) showing sampling ports, ducts entering the stack and stack diameter or dimensions

Test Results

1. Detailed test results for each run
2. *Sample calculations
3. *Description of collected samples, to include audits when applicable

Appendix

1. *Raw production data.
2. *Raw field data
3. *Laboratory reports
4. *Chain of custody records for lab samples
5. *Calibration procedures and results
6. Project participants and titles
7. Observers' names (industry and agency)
8. Related correspondence
9. Standard procedures

* Not applicable to visible emission evaluations